

Converting Colors

$Y_{xy}(45.3131, 0.4428, 0.3565)$

Have a look what the booklet for
Yxy(45.3131, 0.4428, 0.3565)
contains.

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Color

Yxy(45.2228, 0.4429, 0.3562)

Conversions

Conversions Part 1

Format	Color
Hex	FF987E
RGB	255, 152, 126
RGB Percent	100%, 60%, 49%
CMY	0.0001, 0.4039, 0.5059
CMYK	0.00, 0.40, 0.51, 0.00
HSL	12°, 100%, 75%
HSV	12°, 51%, 100%
XYZ	56.2301, 45.2228, 25.5061
YIQ	179.8330, 69.7340, 13.7500

Conversions

Conversions Part 2

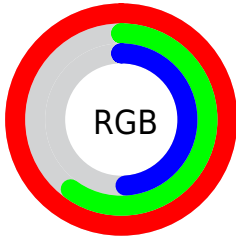
Format	Color
R _Y B	255, 159, 126
Decimal	16750718
CIE Lab	73.04, 35.95, 30.23
CIE LCh	73, 46.971, 40.053
Yxy	45.2228, 0.4429, 0.3562
Android (android.graphics.Color)	4294940798 (0xFFFF987E)
YUV	179.8330, -26.5397, 65.9215
Hunter-Lab	67.2479, 31.5711, 24.5858

Details

The Yxy color **45.2228, 0.4429, 0.3562** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **67.6804, 0.2407, 0.2980**, and the grayscale version is **45.6667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1403, 0.3714, 0.3582**, and **21.0616, 0.4801, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **38.5972, 0.4826, 0.3598**, and if you desaturate by 10%, it is **53.1548, 0.4076, 0.3512**.

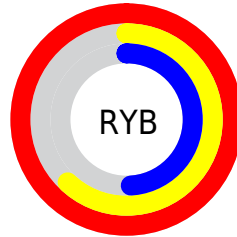
Distribution



Red (100%)

Green (60%)

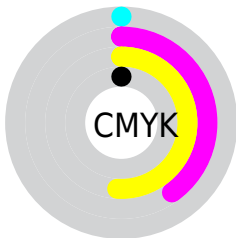
Blue (49%)



Red (100%)

Yellow (62%)

Blue (49%)

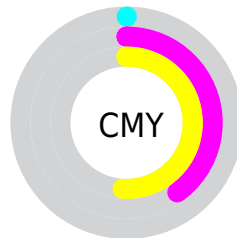


Cyan (0%)

Magenta (40%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (40%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2228, 0.4429, 0.3562 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.2228, 0.4429, 0.3562 by changing the saturation by 10% instead.


 45.2228, 0.4429,
0.3562

 45.2228, 0.4429,
0.3562


367.6752, 0.3772,
0.3462


 31.6330, 0.4591,
0.3575


 83.0546, 0.4191,
0.3534

 21.0813, 0.4796,
0.3584


 108.0654, 0.4101,
0.3521

 13.1834, 0.5062,
0.3583

 137.6520, 0.4025,
0.3509

 7.5550, 0.5416,
0.3557

172.1987, 0.3960,
0.3498

 3.8115, 0.5914,
0.3480

212.0900, 0.3903,
0.3488

 1.5687, 0.6697,
0.3303

257.7102, 0.3854,

 0.3364, 0.7879,

0.3478

0.2121

309.4438, 0.3810,
0.3470

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.2228, 0.4429,
0.3562

45.2228, 0.4429,
0.3562

38.5972, 0.4826,
0.3598

53.1548, 0.4076,
0.3512

33.2001, 0.5245,
0.3611

62.4517, 0.3773,
0.3456

28.9560, 0.5647,
0.3591

73.1767, 0.3520,
0.3399

25.7773, 0.5981,
0.3534

85.3871, 0.3310,
0.3344

■ 23.6612, 0.6202,
0.3458

99.1368, 0.3136,
0.3293

99.9969, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.2228, 0.4101, 0.3067



45.2228, 0.4429, 0.3562



45.2228, 0.4354, 0.4052

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.2228, 0.4429, 0.3562



45.2228, 0.2699, 0.4097



45.2228, 0.2295, 0.2267

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.2228, 0.4429, 0.3562



67.6804, 0.2407, 0.2980

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.2228, 0.2010, 0.2403



45.2228, 0.4429, 0.3562



45.2228, 0.2215, 0.3425

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.2228, 0.4429, 0.3562



45.2228, 0.3329, 0.4480



45.2228, 0.1980, 0.2798



45.2228, 0.2814, 0.2358

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.2228, 0.4429, 0.3562



45.2228, 0.4106, 0.4321



45.2228, 0.1980, 0.2798



45.2228, 0.2173, 0.2285

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.2251, 0.4429, 0.3562



79.8173, 0.3398, 0.3368



41.8483, 0.3421, 0.2278



16.5365, 0.3442, 0.3380



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.2251, 0.4429, 0.3562



38.3529, 0.4843, 0.3599



72.0245, 0.4057, 0.4197



18.5801, 0.3289, 0.3339



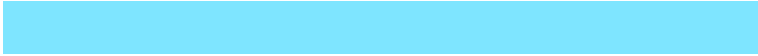
12.5315, 0.6177, 0.3477



1.3658, 0.5971, 0.3641

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



67.6804, 0.2407, 0.2980



63.0125, 0.2295, 0.2904



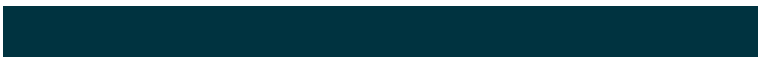
38.4576, 0.2245, 0.2155



19.8225, 0.2980, 0.3241



26.4519, 0.2063, 0.2628



2.7258, 0.2087, 0.2712

Previews

White Background



This preview shows how the Yxy color 45.2228, 0.4429, 0.3562 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.2228, 0.4429, 0.3562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2228, 0.4429, 0.3562

Background



This preview shows how black text looks on a background with the Yxy color 45.2228, 0.4429, 0.3562.



This preview shows how white text looks on a background with the Yxy color 45.2228, 0.4429, 0.3562.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.2228, 0.4429, 0.3562

Protanopia

45.2816, 0.3589, 0.3828

Deuteranopia

45.3573, 0.3978, 0.3898



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.2228, 0.4429, 0.3562



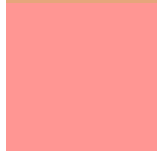
Protanomaly

44.5442, 0.3884, 0.3719



Deuteranomaly

45.1633, 0.4150, 0.3774



Tritanomaly

45.1793, 0.4225, 0.3325

Monochromacy



Original Color

45.2228, 0.4429, 0.3562



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

44.5529, 0.3562, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2228, 0.4429, 0.3562 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 152, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 126)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 152, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 126) }
```

Border

The CSS property to change the border of an element to Yxy 45.2228, 0.4429, 0.3562 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 152, 126) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 152, 126) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 152, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2228, 0.4429, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 126) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
152, 126) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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